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PN - JP10190344 A 19980721

TI - ANTENNA

AB - **PROBLEM TO BE SOLVED:** To provide a small antenna which can correspond to different frequencies by providing a feeding element and a non-feeding element on the surface of a dielectric, providing a ground conductor for the dielectric on a face facing the feeding element and connecting a switching element between the feeding element and the non-feeding element.

- **SOLUTION:** The feeding element 2 and the non-feeding element 3 are provided on the surface of the dielectric 1 and the ground conductor 4 is provided for the dielectric on the face facing the feeding element 2. The switching element 5 is connected between the feeding element 2 and the non-feeding element 3. When the switching element 5 is turned off and reception is executed by a radiation conductor 9a constituting the feeding element 2, a radio wave with a wavelength depending on the peripheral length of the radiation conductor 9a resonates. When the switching element 5 is turned on and reception is executed by the radiation conductor 9a constituting the feeding element 2 and a radiation conductor 9b constituting the non-feeding element 3, the radio waves depending on the peripheral lengths of the radiation conductor 9a and the radiation conductor 9b resonate.

I - H01Q13/08 ;H01Q1/24 ;H01Q5/00

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ABD - 19981031

ABV - 199812

AP - JP19960341431 19961220